

ABSTRACT

A magnetic rotation detector includes a magnetic rotor having magnetic bodies, a detecting body that detects a change in magnetic flux that is caused by the magnetic bodies as the magnetic rotor rotates; and an abnormality determination portion that monitors an apparent fluctuation in rotational speed of the magnetic rotor based on a result detected by the detecting body and that determines that the magnetic rotor is in an abnormal state if the fluctuation occurs at a specific position of the magnetic rotor. The abnormality determination portion detects the occurrence of the fluctuation at the specific position of the magnetic rotor by making a determination on a distance between apparent positions of the magnetic bodies which correspond to the apparent fluctuation in rotational speed and calculates the distance on the basis of a product of an interval of generation of noise in an output signal detected by the detecting body and a rotational speed of the magnetic rotor at the time of generation of noise.